# TECHNICAL DATASHEET PIPEPAINT



## Product information

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| **Category** | Reflective paint for greenhouses |
| **Description** | PipePaint is a waterborne, solvent-free coating which makes heating pipes highly reflective. This ensures that the maximum amount of light reaches the crop. PipePaint can be used to paint untreated or new metal as well as previously painted surfaces. When applied according to instructions, PipePaint will not produce any damage to plants. |
| **Properties** | • Prevents premature corrosion of the heating pipes<br>• More heat radiation resulting in energy savings<br>• Reflects light so that it reaches the crop<br>• Very wear-resistant in greenhouse conditions<br>• Good coverage, short drying time<br>• Not phytotoxic |
| **Recommended use** | For interior greenhouses |
| **Recommended surface** | Heating pipes |
| **Identified users** | For professional use only |

## Technical specifications

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| **Physical state** | Liquid |
| **Colour** | White |
| **Odour** | Characteristic |
| **pH** | ~8 |
| **Boiling point** | > 60°C - PipePaint does not contain any VOC (organic solvents with a boiling point lower than 250°C) |
| **Flammability (solid, gas)** | Non-flammable |
| **Explosive properties** | None |
| **Solid content** | > 30% |
| **Solubility** | Miscible |
| **Density** | 1,4 g/cm$^3$ |
| **Viscosity** | ca. 6000 mPa.s Brookfield RV, spindel 5, 10 rpm, 20°C. |
| **Wear resistance** | Depending on use. Intensive use of moving trolleys over the heating pipes increases wear and tear. |
| **Transport regulation (ADR, IMO, IATA)** | Yes, restrictions for dangerous goods. |

## Storage conditions

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| **Packaging** | Material: metal bucket<br>1 pallet contains 33 or 44 buckets |
| **Volume** | 15 L |
| **Shelf life** | Unopened containers have a shelf life of 2 years. Always stir before use.<br>Keep only in the original container in a cool, well-ventilated place. Keep from freezing (lower than 0°C) and keep from over-heating (above 35°C). |

This technical datasheet is based on many years of experience. We can not be held liable for any damages resulting from the use of this product or any damages beyond her control. The customer should check, using the means normally available to him, whether the products supplied are suitable for the planned application. If in doubt, consult our technical specialists via sales@redusystems.com.

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## Instructions for use

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| **Surface preparation** | Remove any dirt, grease or rust from the surface to be painted.<br>Set the water temperature in the pipes at 35-45°C. Caution; if the temperature is set too high, the product may turn slightly yellow. |
| **Dilution** | Stir PipePaint before use. No need to add water, the product is ready-to-use.<br>1 liter of PipePaint covers 75 meter of heating pipe with a diameter of 5.1 cm. One bucket of 15 liter is enough for 1.000 to 1.200 meter. |
| **Personal protection** | • Protective clothing<br>• Safety glasses<br>• Protective gloves |
| **Equipment** | Application should be done by a paint roller or with a painting glove.<br>One application is usually sufficient, new pipes or untreated metal should be painted twice for a good coverage. |
| **Drying time** | Dry to the touch in approximately 1 hour at 35-45°C. Fully dried after 24 hours. |

## Effect on crops and environment

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| **Tests** | 1999 Wageningen University (WUR) Effect PipePaint on greenhouse crops: None of the plant species had visible or physiological defects from PipePaint (called Redupaint at that time). |
| **Environmental precautions** | • Product is toxic to aquatic life, therefore avoid release to the environment.<br>• Dispose in a safe manner in accordance with local/national regulations. We recommend collecting spillage and dispose of buckets to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

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